

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings of claims in the application:

**Listing of Claims:**

1                   1.       (Previously presented): An access point device for a wireless LAN for  
2 isolating an end station from a plurality of end stations to support segregation of network traffic  
3 between the end station and the plurality of end stations, the access point device serving as a  
4 common access point for communication in the wireless LAN, the access point device  
5 configured to:

6                   receive a request from said end station that is an association request or a probe  
7 request; and

8                   process said request by:

9                   determining for said request a basic service set (BSS) that is unknown to  
10 said access point device at the time of receipt of said request by said access point device;

11                   receiving at least one parameter defining said BSS;

12                   establishing said BSS based at least on said at least one parameter; and

13                   sending a response to said end station that includes a BSSID of said  
14 established BSS.

1                   2.       (Previously presented): The access point device of Claim 1, further  
2 configured to provision a plurality of separate LAN segments while providing separate link  
3 privacy and integrity for each of said LAN segments.

3-6.   (Canceled)

1                   7.       (Currently amended): A method in an access point device for a secure  
2 wireless network to support segregation of network traffic among a plurality of stations, each of  
3 said stations having a hardware (MAC) address, comprising:

4                   receiving an association request or a probe request from a first station;

5                   determining for said request a basic service set (BSS) that is unknown to said  
6 access point device at the time said request was received by said access point device;  
7                   receiving at least one parameter which defines said BSS;  
8                   establishing said BSS based at least on said at least one parameter, thereby  
9 creating a Basic Service Set (BSS) for a subset of said stations; and  
10                  sending a response to said end station that includes a BSSID of said ~~created~~  
11 established BSS,  
12                  wherein stations in said subset belong to said ~~created~~established BSS and share a  
13 group security association.

8-50. (Canceled)

1                   53. (Previously presented): The access point device of Claim 1 wherein said  
2 request includes an SSID (service set identifier), wherein said at least one parameter is based on  
3 said SSID.

54 and 55. (Canceled)